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September 28, 2006

WRITER'S DIRECT NUMBER:
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INTERNET ADDRESS:
JWEAVER@SKGF.COM

Art Unit 2687

Attn: Mail Stop
Certificate of Correction Branch

Re: U.S. Utility Patent No. 7,016,663 B2; Issued: March 21, 2006
For: Applications of Universal Frequency Translation
Inventors: SORRELLS *et al.*
Our Ref: 1744.0140006

Certificate

OCT 02 2006

of Correction

Transmitted herewith for appropriate action are the following documents:

1. Request for Corrected Certificate of Correction Under 37 C.F.R. § 1.322;
2. Completed Form PTO-1050, with the noted corrections printed thereon;
3. Copy of the date stamped postcard showing proof of filing of the Request for Certificate of Correction Under 37 C.F.R. § 1.322 on May 2, 2006;
4. Copy of the SKGF Cover Letter that accompanied the filing of May 2, 2006;
5. Copy of Request Certificate of Correction Under 37 C.F.R. § 1.322 filed on May 2, 2006;
6. Copy of Completed Form PTO-1050, with the noted corrections printed thereon filed on May 2, 2006; and
7. One (1) return postcard.

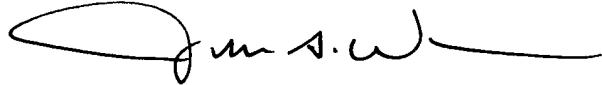
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
September 28, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency,
or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey S. Weaver
Attorney for Patentees
Registration No. 45,608

MQL/JSW:apg
Enclosures

588506_1.DOC



UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:
SORRELLS *et al.*
Patent. No.: 7,016,663 B2
Issued: March 21, 2006
For: Applications of Universal
Frequency Translation

Confirmation No.: 1369
Art Unit: 2687
Examiner: Bhattacharya, Sam
Atty. Docket: 1744.0140006

**Request for Corrected Certificate of Correction
Under 37 C.F.R. § 1.322**

Attn: Certificate of Correction Branch

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Corrected Certificate of Correction under 37 C.F.R. § 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office (USPTO). A request for Certificate of Correction Under 37 C.F.R. § 1.322 was filed with the USPTO on May 2, 2006, including the changes request herein. We received an original Certificate of Correction on August 3, 2006, but noticed that the corrections requested on the second page of the PTO/SB/44 were not included.

OCT 03 2006

Specifically, the errors contained in the printed patent that were not corrected with our original request of May 2, 2006 are:

- In column 38, after line 41, please insert claims 37 and 38, shown below:

- **Claims 37 and 38**

37. A method for communication in a network, comprising the steps of:

(1) receiving a first communication signal;

(2) down-converting said first communication signal to generate a second communication signal, said second communication signal having a lower frequency than said first communication signal, using at least one sub-sampling switch, a storage device coupled to said at least one sub-sampling switch to store energy from the sub-sampling switch, wherein said at least one sub-sampling switch and said storage device operate according to control signal apertures such that energy is integrated over said control signal apertures, said second communication signal generated from the stored energy, and a control signal generator coupled to said at least one sub-sampling switch; and

(3) up-converting a third signal to generate a fourth signal, using at least one second switch coupled to a bias signal and a control signal.

38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

Remarks

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

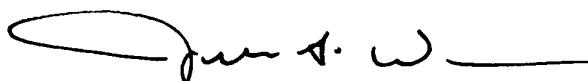
In support of the above request, a copy of the May 2, 2006 filing is enclosed for your review.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



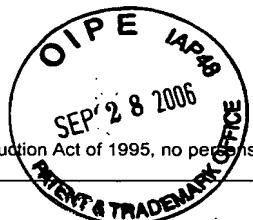
Jeffrey S. Weaver
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Date: September 28, 2006

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 7,016,663 B2

DATED: March 21, 2006

INVENTORS: SORRELLS *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Column 38

After line 41, please insert claims 37 and 38, shown below:

Claims 37 and 38

37. A method for communication in a network, comprising the steps of:

- (1) receiving a first communication signal;
- (2) down-converting said first communication signal to generate a second communication signal, said second communication signal having a lower frequency than said first communication signal, using at least one sub-sampling switch, a storage device coupled to said at least one sub-sampling switch to store energy from the sub-sampling switch, wherein said at least one sub-sampling switch and said storage device operate according to control signal apertures such that energy is integrated over said control signal apertures, said second communication signal generated from the stored energy, and a control signal generator coupled to said at least one sub-sampling switch; and
- (3) up-converting a third signal to generate a fourth signal, using at least one second switch coupled to a bias signal and a control signal.

38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

MAILING ADDRESS OF SENDER:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
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PATENT NO. 7,016,663 B2

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

COPY

Patentees: SORRELLS *et al.*

Patent No.: 7,016,663 B2

Issued: March 21, 2006

For: Applications of Universal Frequency Translation

Due Date: NONE

Art Unit: 2687

Confirmation No.: 1369

Examiner: Bhattacharya, Sam

Docket: 1744.0140006

Atty: MQL/JSW

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents:

1. SKGF Cover Letter;
2. Request for Certificate of Correction Under 37 C.F.R. § 1.322;
3. Completed Form PTO-1050, with the noted corrections printed thereon; and
4. One (1) return postcard.



Mail Stop: Certificate of Correction Branch

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OCT 03 2006

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May 2, 2006

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Art Unit 2687

*Attn: Mail Stop
Certificate of Correction Branch*

Re: U.S. Utility Patent
Patent No. 7,016,663 B2; Issued: March 21, 2006
For: **Applications of Universal Frequency Translation**
Inventors: SORRELLS *et al.*
Our Ref: 1744.0140006

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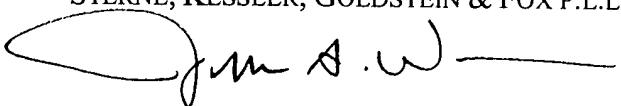
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
May 2, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Jeffrey S. Weaver
Attorney for Patentees
Registration No. 45,608

MQL/JSW:apg
Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

SORRELLS *et al.*

Patent. No.: 7,016,663 B2

Issued: March 21, 2006

For: Applications of Universal
Frequency Translation

Confirmation No.: 1369

Art Unit: 2687

Examiner: Bhattacharya, Sam

Atty. Docket: 1744.0140006

**Request for Certificate of Correction
Under 37 C.F.R. § 1.322**

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Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

- In the References Cited section, on page 9, line 61 in the first column, "Notzl" should be changed to --Ndzi--.
- In the References Cited section, on page 13, line 49 in the second column, "Fast" should be changed to --Fest--.
- In the References Cited section, on page 14, line 23 in the first column, "023350" should be changed to --023359--.

OCT 03 2006

- In column 7, lines 24 and 25 should be deleted and replaced with
--(Freq_{input}-Freq_{IF})/n = Freq_{control}
(901 MHZ-1 MHZ)/n=900/n--.
- In column 7, lines 55 and 56 should be deleted and replaced with
--(Freq_{input}-Freq_{IF})/n = Freq_{control}
(900 MHZ-0 MHZ) = 900 MHZ/n--.
- In column 8, lines 22 and 23 should be deleted and replaced with
--(Freq_{input}-Freq_{IF})/n = Freq_{control}
(900 MHZ-0 MHZ)/n=900 MHZ/n--.
- In column 38, after line 41, please insert claims 37 and 38, shown below:

• **Claims 37 and 38**

37. A method for communication in a network, comprising the steps of:

(1) receiving a first communication signal;

(2) down-converting said first communication signal to generate a second communication signal, said second communication signal having a lower frequency than said first communication signal, using at least one sub-sampling switch, a storage device coupled to said at least one sub-sampling switch to store energy from the sub-sampling switch, wherein said at least one sub-sampling switch and said storage device operate according to control signal apertures such that energy is integrated over said control signal apertures, said second communication signal generated from the stored energy, and a control signal generator coupled to said at least one sub-sampling switch; and

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38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

OCT 03 2008

Remarks

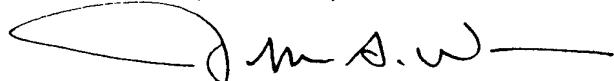
The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey S. Weaver
Attorney for Patentees
Registration No. 45,608

Date: May 2, 2006

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(Also Form PTO-1050)**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO: 7,016,663 B2

DATED: March 21, 2006

INVENTORS: SORRELLS *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

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Sterne, Kessler, Goldstein & Fox P.L.L.C.
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Washington, DC 20005-3934

PATENT NO. 7,016,663 B2

No. of additional copies

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 7,016,663 B2

DATED: March 21, 2006

INVENTORS: SORRELLS *et al.*

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Claims 37 and 38

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38. The method of claim 37, wherein the network is a wireless local area network (WLAN).

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PATENT NO. 7,016,663 B2

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